

Amendments to the Specification

I. Please replace the Paragraph, Page 4, Line 23 to Page 5, Line 3, with the following amended Paragraph:

Further, the aforementioned step (b) includes the comparing step as follow:

$$\{\sqrt{(\sum (a_i - b_i)^2)) / m * m}, \sqrt{(\sum (a_i - b_i)^2)) / (m * m)}\},$$

where $i=0$ to $m*m$, m represents the pixel amount of one side for each divided block, and a_i and b_i respectively represent a pixel value of a corresponding block of the incoming image and the referred image.

II. Please replace the Paragraph, Page 9, Line 13 to Line 22, with the following amended Paragraph:

Further, the aforementioned step 120 includes the comparing step as follow:

$$\{\sqrt{(\sum (a_i - b_i)^2)) / m * m}, \sqrt{(\sum (a_i - b_i)^2)) / (m * m)}\},$$

where $i=0$ to $m*m$, m represents the pixel amount of one side

for each divided block, and a_i and b_i respectively represent a pixel value of a corresponding block of the incoming image and the referred image. This step produces a value representing the average changed level of a block. In the present invention, the value of "m" can be predetermined depending on the resolution of the incoming image. In an embodiment, "m" is 8 for the incoming image with the resolution of 640*480.

III. Please replace the Paragraph, Page 5, Line 5 to Line 11, with the following amended Paragraph:

Moreover, the aforementioned step (e) includes the calculating step as follow:

$$\frac{(\sum |x_i - x_{avg}|) / n * x_{avg}}{(\sum |x_i - x_{avg}|) / (n * x_{avg})},$$

where $i=0$ to n , n represents a quantity of the compared result that exceeds the first predetermined threshold in a region, x_i represents the compared result, and x_{avg} represents an average of the compared result in the region.

IV. Please replace the Paragraph, Page 9, Line 24 to Page 10, Line 7, with the following amended Paragraph:

Moreover, the step 150 mentioned above includes the calculating step as follow:

$$\left\{ \sum |x_i - x_{avg}| \right\} / n * x_{avg}, \quad \left\{ \sum |x_i - x_{avg}| \right\} / (n * x_{avg}),$$

where $i=0$ to n , n represents a quantity of the compared result that exceeds the first predetermined threshold in a region, x_i represents the compared result, and x_{avg} represents an average of the compared result in the region. This step produces a value representing the average changed level of a region.